

**"METHOD OF ANIMATING A SYNTHESISED MODEL OF A HUMAN FACE  
DRIVEN BY AN ACOUSTIC SIGNAL"**

**Abstract**

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THE METHOD PERMITS THE ANIMATION OF A SYNTHESISED MODEL OF A HUMAN FACE  
IN RELATION TO AN AUDIO SIGNAL. THE METHOD IS NOT LANGUAGE DEPENDENT AND  
PROVIDES A VERY NATURAL ANIMATED SYNTHETIC MODEL, BEING BASED ON THE  
SIMULTANEOUS ANALYSIS OF VOICE AND FACIAL MOVEMENTS, TRACKED ON REAL  
10 SPEAKERS, AND ON THE EXTRACTION OF SUITABLE VISEMES.

THE SUBSEQUENT ANIMATION CONSISTS IN TRANSFORMING THE SEQUENCE OF  
VISEMES CORRESPONDING TO THE PHONEMES OF THE DRIVING TEXT INTO THE  
SEQUENCE OF MOVEMENTS APPLIED TO THE MODEL OF THE HUMAN FACE.

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